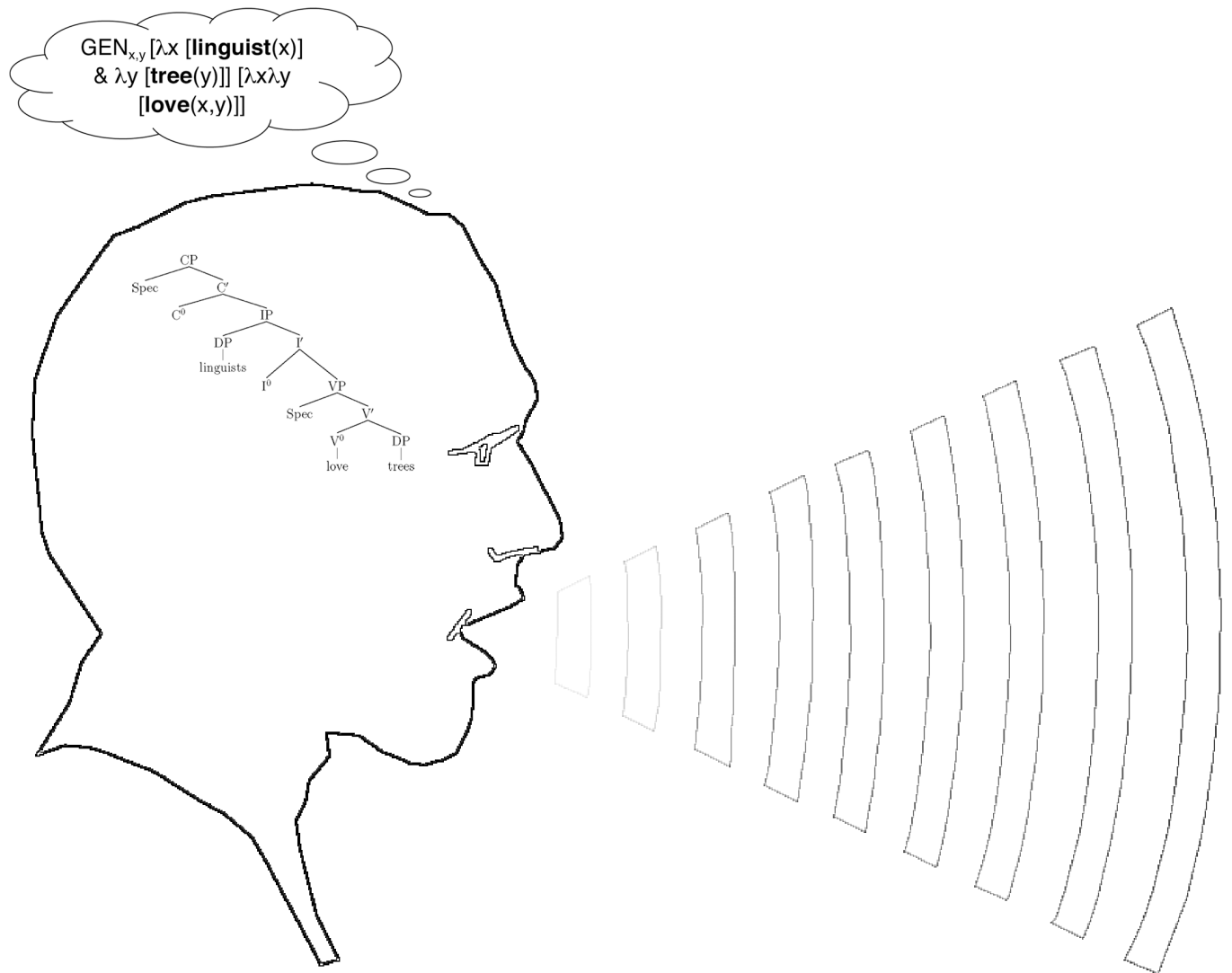


DEPARTMENT OF LINGUISTICS YALE UNIVERSITY



GRADUATE AND UNDERGRADUATE COURSE CATALOGUE 2009-2010

Department of Linguistics
Yale University
370 Temple Street
PO Box 208366
New Haven, CT 06511

Chair		
Stephen Anderson	200	432-2456
DGS		
Maria Pinango	307	432-4145
DUS		
Raffaella Zanuttini	209	432-2452
Registrar		
Chris McDaniel	204	432-2450

Course Catalogue Legend:
a Fall Term Course
b Spring Term Course

The absence of "a" and "b" indicates a year long course

Faculty

PROFESSORS

Stephen Anderson
Carol Fowler (*Adjunct*)
Robert Frank
Roberta Frank
Laurence Horn
Stanley Insler
Frank Keil
Zoltan Szábó
Raffaella Zanuttini
Rhea Paul

ASSOCIATE PROFESSORS

Ann Biersteker (*Adjunct*)
Darya Kavitskaya
Maria Piñango

ASSISTANT PROFESSORS

Claire Bower
Ashwini Deo
Gaja Jarosz
Jelena Krivokapić

LECTURER

Thomas Leu
Einar Mencl
Erich Round
Tamina Stephenson
Matthew Wolf

INTRODUCTORY COURSES**LING 007b Varieties of English**

MW 11:35-12:50

**Laurence Horn
Raffaella Zanuttini**

Introduction to the range of variation in English, focusing on phenomena distinguishing U.S. dialects. Regional, social, gender, and age-based factors in variation. Linguistic approaches and "folk" attitudes to non-standard language.

LING 110b/510b Introduction to Linguistics

TTh 11:35-12:50

Darya Kavitskaya

The goals and methods of linguistics. Basic concepts in phonology, morphology, syntax, and semantics. Techniques of linguistic analysis and construction of linguistic models. Trends in modern linguistics. The relation of linguistics to psychology, logic, and other disciplines.

LING 112a/512a Historical Linguistics

MW 1.00-2.15

Stanley Insler

Types of change that a language undergoes in the course of time: sound change, analogy, syntactic and semantic change, borrowing. Techniques for recovering earlier linguistic stages: philology, internal reconstruction, the comparative method. Language change and linguistic theory. The role of language contact in language change.

LING 115/515 Elementary Sanskrit

MWF 9.25-10.15

Staff

Careful study of Sanskrit grammar both in its historical development and as the synchronic systems attested in classical Sanskrit. Comparisons with other Indo-European languages. Close reading of later Sanskrit texts.

LING 116a/516a Beginning Hittite

T 2:30-4:20

Stanley Insler

Introduction to the Hittite language. Explanation of grammar, with readings in transcription from old, middle, and new Hittite texts representing different literary genres. No knowledge of cuneiform is necessary, but familiarity with an inflected language (Latin, Greek, German, Russian) is essential.

LING 117a/517a/PSYC 137a Language and Mind

TTh 11:35-12:50

Maria Piñango

Knowledge of language as a component of the mind: mental grammars, the nature and subdivisions of linguistic knowledge in connection to the brain. The logical problem of language acquisition. The "universal grammar hypothesis," according to which all humans have an innate ability to acquire language. The connection between language acquisition and general cognitive abilities.

LING 120b/520b/PSYC 318b General Phonetics Matthew Wolf
TTh 9-10:15

Investigation of possible ways of describing the speech sounds of human languages. Tools to be developed: acoustics and physiology of speech; computer synthesis of speech; practical exercises in producing and transcribing sounds.

LING 132a/532a Introduction to Phonological Analysis Matthew Wolf
TTh 11.35-12.50

The structure of sound systems in particular languages. Phonemic and morphophonemic analysis, distinctive-feature theory, formulation of rules, and problems of rule interpretation. Emphasis on problem solving.

LING 135b/535b Phonological Theory Matthew Wolf
TTh 4-5.15

Topics in the architecture of a theory of sound structure. Levels of representation; classical phonological rules and their interaction. Ordering paradoxes; cyclicity and lexical phonology. Motivations for replacing a system of rules with a system of constraints. Optimality theory: constraint types and their interactions. Correspondence theory. Opacity and stratal OT.
Prerequisite: LING 132/532 or permission of instructor.

LING 140b/540b/PSYC 506b/CGSG 320b Computational Models in Cognitive Science Robert Frank
MW 1.00-2.15

Introduction to connectionist, symbolic and statistical techniques used in computational modeling of language, learning, and reasoning. Students will implement models, but no extensive programming background will be assumed.

Prerequisite: one course in cognitive science or permission of instructor.

LING 149b/PSYC 149b Animal Communication and Human Language Stephen Anderson
TTh 1.00-2.15

Examination of animal communication systems found in nature, including those of honeybees, frogs, birds, and primates. Comparison of these systems with human language. Evaluation of efforts to find or induce specifically linguistic abilities in a variety of animals leading to conclusions about animals' cognitive capacities.

LING 153a/553a Syntax I Raffaella Zanuttini
TTh 1.00-2.15

An introduction to the syntax (sentence structure) of natural language. Introduction to generative syntactic theory and key theoretical concepts. Syntactic description and argumentation. Topics include phrase structure, transformations, and the role of the lexicon.

LING 163a/PSYC 163a

TTh 4.00-5.15

Language Acquisition**Rhea Paul**

The course of the acquisition of communicative competence from birth to adolescence will be outlined. A range of social, affective, cognitive, neurological, and linguistic perspectives will be brought to bear on the question of how children effortlessly acquire their native language(s) during the first few years of life, and the ways in which language competence shapes and responds to development throughout childhood and adolescence. Issues relating to language disabilities, bilingual language development, and the relation between language and literacy will also be discussed.

LING 180b/580b

MW 11.35-12.50

Morphology**Maria Pinango**

The theory of word structure within a formal grammar. Relation to other areas of grammar (syntax, phonology); basic units of word structure; types of morphology (inflection, derivation, compounding). *Prerequisites: LING 132/532 and LING 153/553, or permission of instructor.*

LING 183a/ENGL 155a

MW 2.30-3.45

Reading in Old Norse Poetry and Prose**Roberta Frank**

An introduction to the literature of earliest Norway and Iceland. Texts (to be read in the original) include runic inscriptions left behind by the Vikings, verse of their official skalds, the sometimes irreverent mythological poetry of the Edda, and the sagas telling of the Norse discovery of America. *Prerequisite: LING 182 or permission of the instructor.*

ADVANCED COURSES**LING 212b/612b**

MW 2:30-3.45

**Linguistic Change
(Historical II)****Stephen Anderson**

Principles governing linguistic change in phonology and morphology.. Status and independence of proposed mechanisms of change. Relations between the principles of historical change and universals of language. Systematic change as the basis of linguistic comparison; assessment of other attempts at establishing linguistic relatedness. *Prerequisites: LING 112 (Intro Historical), 132 (Intro Phonology) and 153 (Intro Syntax)*

LING 224a/624a

MW 11.35-12.50

**Formal Foundations for Linguistic Theory
(QR)****Robert Frank**

Mathematical methods in linguistics. Topics include: set theory, logic and formal systems, model theory, lambda calculus, formal language theory, elementary statistics and probability. *Prerequisites: None.*

LING 230b/630b Techniques for the Investigation of Brain and Language

T 9:25-11:15

Einar Mencl

The first section of this course will focus on obtaining a basic understanding of neuro-imaging data acquisition and analysis techniques, primarily MRI, with application to the study of language. Technique sub-areas will include MRI acquisition; preprocessing; single- and multi-subject data analysis; visualization; and network analysis. Classes will pair lecture presentation and in-class interactive demonstrations with relevant datasets. The second section will focus on selected readings in the study of language using these techniques. Topic areas will include speech production and perception, reading, and dyslexia. Readings will be primarily drawn from journal articles in the field in general, but also from within Haskins Laboratories, allowing access and hands-on analysis and exploration of existing datasets. *Prerequisites: LING 110.*

LING 231/631, Neurolinguistics

MW 2:30-3:45

Maria Piñango

The study of language as a cognitive neuroscience. The interaction between linguistic theory and neurological evidence from brain damage, degenerative diseases (e.g., Alzheimer's disease), mental illness (e.g., schizophrenia), neuroimaging, and neurophysiology. The connection of language as a neurocognitive system to other systems such as memory and music.

LING 240a/640a Topics in Phonology: Inputs and Bases in Phonological Derivations

Th 9.25-11.15

Matt Wolf

Theories of the nature (in particular the morphological nature) of the inputs to phonological derivations. Uniqueness of the underlying forms of morphological elements; simultaneous vs. incremental views of the construction of complex words. Relations of similarity and dissimilarity within paradigms and their characterization.

LING 244b/644b Topics in Phonology: Opacity

Th 9.25-11.15

Darya Kavitskaya

Phonological opacity in the world's languages. Typology of opaque interactions, theoretical approaches to opacity, the relation of opacity and morphology.

LING 242b/642b Topics in Phonology: The Indigenous Languages of Australia

M 1.30-3.20

Erich Round

Seminar on variation in phonology and at the interfaces of phonology with phonetics and morphology. Readings cover formal theories of cross-linguistic variation (typology), lexically-conditioned variation, and free variation. Major themes include the formal characterization of grammatical variation, the relationship between the grammar and lexicon, and the role of frequency in phonological theory.

LING 254b/654b Syntax II

MW 9.00-10.15

Robert Frank

Recent developments in syntactic theory: government and binding, principles and parameters, and minimalist frameworks. In-depth examination of the basic modules of grammar (lexicon, X-bar theory, Theta-theory, case theory, movement theory). Comparison and critical evaluation of specific syntactic analyses.

LING 271a/671a Topics in Semantics: Variation and Change in Tense-Aspect Categories

Th 2.30-4.20

Ashwini Deo

The cross-linguistic meaning of tense and aspect morphology. Semantic accounts of aspectual categories such as the progressive, the imperfective, and the perfect and tense categories like the past and the future. Evaluation of descriptive and empirical accounts from the grammaticalization and typology literature as informed by formal semantic research on tense/aspect categories. . *Prerequisites: LING 112/512b and LING 263a/663a*

LING 275b/675b**Pragmatics****Laurence Horn**

TTh 2.30-3.45

Context-dependent aspects of meaning and inference. Speech act theory, presupposition, implicature. Role of pragmatics in the lexicon and in meaning change. The semantics-pragmatics distinction from different perspectives; the position of pragmatics in linguistic theory.

LING 280a/680a**Topics in Morphology: Agreement****Stephen Anderson**

M 1.30-3.20

Survey of agreement and concord phenomena in the languages of the world. Connections between agreement and pronominal clitics. Discussion of theories of the implementation of agreement relations in the syntax and of the realization of agreement morphology.

Prerequisites one course each in syntax and phonology, and the introductory course in morphology (LING 180) or permission of instructor.

LING 471a/472b**Special Projects****Staff**

Special projects set up by students with the help of a faculty adviser and the director of undergraduate studies to cover material not otherwise offered by the department. The project must terminate with at least a term paper or its equivalent and must have the approval of the director of undergraduate studies. Only one term of credit for a project may count toward the major; no more than two terms may count toward graduation.

LING 490a/790a/PSYC 372a**Research Methods in Linguistics****Raffaella Zanuttini**

W 3.30-5.20

A course designed to help Linguistics students develop their skills in research, writing and presentation. Topics include (a) choosing a research topic, (b) presenting one's ideas clearly and effectively, both orally and in writing, (c) methodological issues, and (d) the balance between building on the existing literature and making a novel contribution. Depending on student interest, it might also include professional-development issues, such as applying for graduate school and/or for grants.

LING 491b**The Senior Essay****Raffaella Zanuttini**

W 4.00-5.50

A weekly colloquium in which senior linguistics majors, in rotation, will make presentations of research material that will culminate in the development of their senior essays. Under the guidance of departmental faculty (or in some case supporting faculty in other departments),

students will select a topic, present material related to the research on that topic, and give preliminary versions of their essay.

LING 500a/ENGL 500a Introduction to Old English Language and Literature
MW 11.35–12.50 **Roberta Frank**

The essentials of the language, some prose readings, and close study of several poems: *Caedmon's Hymn*, *The Dream of the Rood*, *The Battle of Maldon*, *The Wife's Lament*, *The Wanderer*, and *The Seafarer*.

LING 501b/ENGL 501b *Beowulf and the Northern Heroic Tradition*
W 9.25–11.15 **Roberta Frank**

A close reading of the poem *Beowulf*, with some attention to shorter heroic poems.

LING 672b/712b Topics in Semantics: Speech and Attitude Reports.
W 1.30-3.20 **Tamina Stephenson**

This seminar course will deal with the semantics of speech and attitude reports, to include such topics as modality, belief and knowledge reports, de se attitudes, attitudes with subjective content, factive presuppositions, and/or other areas of current interest. It is intended for graduate students in linguistics and philosophy with some background in semantics and/or philosophy of language.

LING 830a or b, Directed Research in Linguistics
By arrangement with faculty.

LING 831a or b, Directed Research in Phonetics
By arrangement with faculty.

LING 840a or b, Directed Research in Phonology
By arrangement with faculty.

LING 850a or b, Directed Research in Grammar
By arrangement with faculty.

LING 860a or b, Directed Research in Semantics
By arrangement with faculty.

RELATED CLASSES

Anthropology

ANTH 120a, Language, Culture, Identity (J. Joseph Errington)
ANTH 298a, Anthropology of Oratory and Rhetoric (Bernard Bate)
ANTH 419a/619a Language and the Public Sphere (Bernard Bate)
ANTH 432a/632a Politics of Language (J. Joseph Errington)
ANTH 333b/533b, Bilingualism in Social Context (J. Joseph Errington)
ANTH 413b/513b, Language, Culture, and Ideology (J. Joseph Errington)
ANTH 423b/623b, Poetics and Performance (Bernard Bate)

Cognitive Science

CGSC 110a, Intro to Cognitive Science (Brian Scholl)
CGSC 201a, Intro to the Human Brain (Brain and Thought) Amy Arnsten
CGSC 281b, Philosophy and Science of Human Nature (Joshua Knobe)
CGSC 320b, Computational Models in Cognitive Science (Robert Frank)
CGSC 343a, Music Cognition (Ian Quinn)
CGSC 390b, Junior Seminar in Cognitive Science (Stephen Anderson)
CGSC 408b, The Cognitive Science of Ignorance (Frank Keil)
CGSC 413b, Mind, Brain and Society (Marvin Chun)
CGSC 421a, The Cognitive Science of Pleasure (Paul Bloom)
CGSC 426a, The Cognitive Science of Morality (Joshua Knobe)
CGSC 490a, 491b, Senior Seminar in Cognitive Science (Joshua Knobe)

Classical Civilization

GRK 390a/790a Syntax and Stylistics

Philosophy

PHIL 115a, First –Order Logic (Kenneth Winkler)
PHIL 267b, Mathematical Logic I (Sun-Joo Shin)
PHIL 404b^G, History and Critique of Semiotics (David Larsen).
PHIL 427b^G, Vagueness and Two Sorites Paradox (Suzanne Bobzien).
PHIL 430a^G, Definition and Essence (George Bealer)
PHIL 432b^G, Stoic Logic (Suzanne Bobzien)
PHIL 436a^G, Propositions, Truth, and Paradox (Bruno Whittle)

LINGUISTICS PROGRAM

Major in Linguistics

Linguistics is the scientific study of language. The major in Linguistics offers a program of studies leading toward an understanding of phonological, grammatical, and semantic structure and of various approaches to descriptive, experimental, and historical linguistics. It also includes course work leading to proficiency in one or two foreign languages. Majors may concentrate on theoretical, experimental, or computational linguistics, on various aspects of comparative grammar, or on a particular family of languages. Interested students should consult the director of undergraduate studies.

The prerequisite for the major is LING 110 or LING 117 with a grade of B+ or better. 14 additional term courses are required for the major, distributed as follows:

Breadth requirement (4 courses)

All majors must take introductory courses in phonology (LING 132a) and syntax (LING 153a). In addition, at least one course must be taken in any two of the six remaining core areas: phonetics, morphology, semantics/pragmatics, computational linguistics, language & mind/brain, and historical linguistics.

Depth requirement (2 courses)

In one of the eight core areas (phonetics, phonology, morphology, syntax, semantics/pragmatics, computational linguistics, language & mind/brain, and historical linguistics), students must take two additional courses or seminars beyond the introductory course in that subfield.

Language requirement (3 courses)

Three term courses (or the equivalent) in one or two foreign languages beyond the elementary level; courses designated L₃ or higher are normally accepted. This requirement may be fulfilled in part in the freshman or sophomore years.

Electives (3 courses)

Three additional courses relating to linguistics. These electives can be selected from our department or from approved courses with substantial linguistic content in other departments (including foreign language courses). On the basis of relevance to the student's program and with the approval of the DUS, one course bearing a less direct relation to linguistics from another department (e.g. Anthropology, Classics, Cognitive science, Computer science, English, Philosophy, Psychology) may be applied to this requirement.

Research requirement (2 courses)

Research Methods in Linguistics (LING 490a) and the Senior Essay (LING 491b), usually taken in sequence during the senior year.

Some of our introductory courses are:

Ling 108 Structure and History of English Words
Ling 110 Introduction to Linguistics
Ling 112 Historical Linguistics
Ling 117 Language & Mind
Ling 120 General Phonetics
Ling 132 Introduction to Phonological Analysis
Ling 135 Phonological Theory (II)
Ling 141 Language and Computation
Ling 149 Communication and Language Abilities in Animals
Ling 153 Syntax I
Ling 161 Introduction to Psycholinguistics
Ling 163 Language Acquisition